

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV012219\
 Data File : VV009232.D
 Acq On : 22 Jan 2019 12:57
 Operator : SY/MD
 Sample : VSTDIC020
 Misc : 5.00 G/5ML/MSVOA V/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/24/2019 11:43:50 AM

Quant Time: Jan 23 01:07:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\82V012219S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 23 00:37:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.73	168	89407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.66	114	149909	50.00	ug/l	0.00
63) Chlorobenzene-d5	8.89	117	137629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.30	152	69260	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.07	65	23562	19.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.90%	
35) Dibromofluoromethane	4.64	113	21155	21.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.56%	
50) Toluene-d8	7.36	98	83317	21.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.58%	
62) 4-Bromofluorobenzene	10.12	95	30851	21.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.00%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.14	85	15114	21.284	ug/l 95
3) Chloromethane	1.25	50	19694	19.020	ug/l 99
4) Vinyl Chloride	1.32	62	22723	22.446	ug/l 98
5) Bromomethane	1.52	94	13041	19.628	ug/l 98
6) Chloroethane	1.59	64	12743	19.985	ug/l 98
7) Trichlorofluoromethane	1.76	101	15764	25.451	ug/l 98
8) Diethyl Ether	1.96	74	10121	20.183	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	2.14	101	20009	21.706	ug/l 98
10) Methyl Iodide	2.25	142	32189	21.254	ug/l 99
11) Tert butyl alcohol	2.65	59	7323	82.706	ug/l 95
12) 1,1-Dichloroethene	2.13	96	19865	21.462	ug/l 97
13) Acrolein	2.06	56	6952	108.326	ug/l 97
14) Allyl chloride	2.42	41	33872	20.816	ug/l 97
15) Acrylonitrile	2.76	53	21389	98.629	ug/l 100
16) Acetone	2.17	43	30137	101.739	ug/l 99
17) Carbon Disulfide	2.31	76	59645	21.593	ug/l 100
18) Methyl Acetate	2.44	43	15167	19.716	ug/l 96
19) Methyl tert-butyl Ether	2.79	73	30166	20.807	ug/l 98
20) Methylene Chloride	2.52	84	22645	20.215	ug/l 97
21) trans-1,2-Dichloroethene	2.78	96	21287	21.269	ug/l 99
22) Diisopropyl ether	3.32	45	71715	19.795	ug/l 99
23) Vinyl Acetate	3.30	43	191019	95.523	ug/l 100
24) 1,1-Dichloroethane	3.22	63	44048	20.043	ug/l 97
25) 2-Butanone	4.01	43	33536	95.441	ug/l 98
26) 2,2-Dichloropropane	3.95	77	25438	21.895	ug/l 98
27) cis-1,2-Dichloroethene	3.95	96	25188	19.948	ug/l 99
28) Bromochloromethane	4.29	49	16757	19.859	ug/l 97
29) Tetrahydrofuran	4.38	42	18615	92.477	ug/l 97
30) Chloroform	4.42	83	44644	19.546	ug/l 98
31) Cyclohexane	4.72	56	39566	20.202	ug/l 95
32) 1,1,1-Trichloroethane	4.65	97	38385	21.063	ug/l 100
36) 1,1-Dichloropropene	4.87	75	33879	20.872	ug/l 98
37) Ethyl Acetate	4.12	43	13054	19.254	ug/l 98
38) Carbon Tetrachloride	4.87	117	34449	21.358	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.17	83	39902	21.363	ug/l	98
40) Benzene	5.14	78	96652	21.080	ug/l	100
41) Methacrylonitrile	4.31	41	7594	19.128	ug/l	98
42) 1,2-Dichloroethane	5.17	62	30159	19.715	ug/l	100
43) Isopropyl Acetate	5.32	43	25677	19.059	ug/l	99
44) Trichloroethene	5.96	130	25364	21.487	ug/l	97
45) 1,2-Dichloropropane	6.22	63	23267	20.823	ug/l	98
46) Dibromomethane	6.35	93	11571	19.005	ug/l	97
47) Bromodichloromethane	6.55	83	31365	19.748	ug/l	96
48) Methyl methacrylate	6.41	41	12482	18.279	ug/l	98
49) 1,4-Dioxane	6.41	88	2976	376.751	ug/l	92
51) 4-Methyl-2-Pentanone	7.27	43	64046	95.033	ug/l	100
52) Toluene	7.43	92	61623	21.413	ug/l	98
53) t-1,3-Dichloropropene	7.69	75	30215	19.554	ug/l	100
54) cis-1,3-Dichloropropene	7.07	75	34825	19.891	ug/l	96
55) 1,1,2-Trichloroethane	7.88	97	16495	19.996	ug/l	96
56) Ethyl methacrylate	7.83	69	18329	18.342	ug/l	96
57) 1,3-Dichloropropane	8.05	76	29488	19.392	ug/l	98
58) 2-Chloroethyl Vinyl ether	6.94	63	863	44.876	ug/l	91
59) 2-Hexanone	8.18	43	46012	92.111	ug/l	99
60) Dibromochloromethane	8.29	129	18798	19.138	ug/l	99
61) 1,2-Dibromoethane	8.40	107	15931	19.488	ug/l	99
64) Tetrachloroethene	8.02	164	20455	21.836	ug/l	98
65) Chlorobenzene	8.92	112	65404	20.809	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.02	131	22023	20.391	ug/l	97
67) Ethyl Benzene	9.05	91	117200	20.991	ug/l	98
68) m/p-Xylenes	9.18	106	90445	43.173	ug/l	98
69) o-Xylene	9.59	106	40877	20.944	ug/l	97
70) Styrene	9.60	104	65113	20.462	ug/l	99
71) Bromoform	9.77	173	10321	19.561	ug/l #	100
73) Isopropylbenzene	9.97	105	117922	21.501	ug/l	99
74) N-amyl acetate	9.84	43	19756	17.052	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.29	83	19432	19.784	ug/l	98
76) 1,2,3-Trichloropropane	10.32	75	14962m	19.578	ug/l	
77) Bromobenzene	10.26	156	24596	20.198	ug/l	99
78) n-propylbenzene	10.40	91	139541	21.471	ug/l	100
79) 2-Chlorotoluene	10.47	91	85978	21.444	ug/l	99
80) 1,3,5-Trimethylbenzene	10.58	105	99907	21.495	ug/l	98
81) trans-1,4-Dichloro-2-buten	10.05	75	5167	18.747	ug/l	96
82) 4-Chlorotoluene	10.58	91	99520	20.840	ug/l	99
83) tert-Butylbenzene	10.91	119	94033	21.278	ug/l	99
84) 1,2,4-Trimethylbenzene	10.96	105	101415	21.172	ug/l	98
85) sec-Butylbenzene	11.13	105	122448	21.556	ug/l	99
86) p-Isopropyltoluene	11.29	119	106840	21.214	ug/l	99
87) 1,3-Dichlorobenzene	11.22	146	51822	20.829	ug/l	99
88) 1,4-Dichlorobenzene	11.32	146	52614	20.838	ug/l	98
89) n-Butylbenzene	11.70	91	103177	20.800	ug/l	100
90) Hexachloroethane	11.95	117	18451	20.312	ug/l	100
91) 1,2-Dichlorobenzene	11.69	146	44862	20.164	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.48	75	3138	18.443	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.31	180	27804	18.324	ug/l	98
94) Hexachlorobutadiene	13.49	225	18386	21.460	ug/l	98
95) Naphthalene	13.55	128	45559	17.110	ug/l	98
96) 1,2,3-Trichlorobenzene	13.79	180	23734	18.427	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

